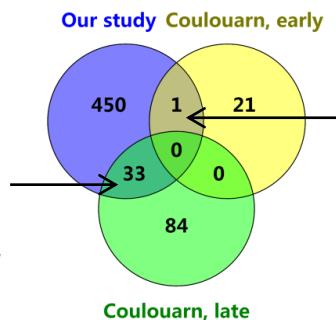


**a**

Gene	p-Value	Z-score
<i>Cdkn2b</i>	4.8E-07	4.2
<i>Ltbp1</i>	0.0004	2.3
<i>Tgfb1</i>	1.30E-08	2.6
<i>Smad7</i>	1.5E-07	2.5
<i>Acvr1</i>	0.000026	2.0
<i>Tgfb1</i>	0.0004	1.6
<i>Thbs1</i>	0.0000044	1.0
<i>Bmp2</i>	0.0003	1.1
<i>Nbl1</i>	0.0009	0.8
<i>Tgfr1</i>	0.0001	0.6
<i>Smad5</i>	0.0085	0.4
<i>Tgfr2</i>	0.0007	0.7
<i>Bmp1a</i>	0.0001	0.6
<i>Cul1</i>	0.0016	0.4
<i>Bambi</i>	0.0366	0.2
<i>Smad4</i>	0.0014	0.3
<i>Smad6</i>	0.0007	0.3
<i>Rhoa</i>	0.0246	0.2

**b****downregulated:**

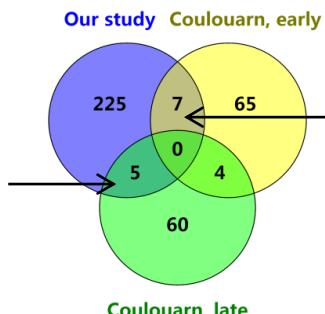
*Idh1, Slc35c1, Grhpr, Hmbs, Slc25a13, Dhrs1, Sepx1, Naprt1, Pcyt2, Dgat2, Asns, Slc35d2, Kctd3, Lpin2, Slc26a1, Hmgcs1, Dhcr7, Entpd5, Abcc3, Dhcr24, Gss, Sc4mol, Sqle, Uap1l1, Chka, Scp2, Hpgd, Slc40a1, Gpd1, Psat1, Aldob, Gpt2, Aldh1a1*



**downregulated:**  
*Aldh3a2*

**c****upregulated:**

*Rdh10, Gsto1, Slc6a8, Sult1e1, Lpgat1*



**upregulated:**  
*Slc25a37, Slc23a2, Clic4, Slc20a1, Qcnt2, Slc29a1, Coq10b*